



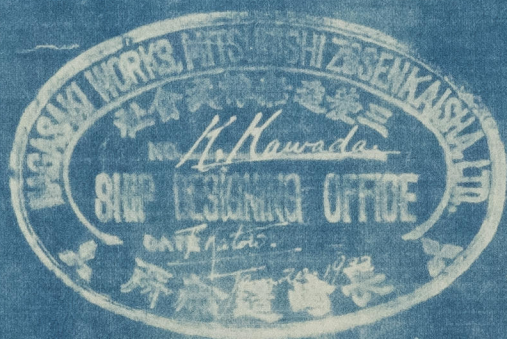
M.V. "HOKKAI MARU".

Nagasaki Report No.1878.

"HOKKAI-MARU."
CONSTRUCTION PROFILE
AND DECK PLAN.

SCALE $\frac{1}{16}$ " = ONE FT.

445'-0" x 60'-6" x 40'-9"
(FINISHED PLAN.)



K. Kawada
Jan. 20th 1935.

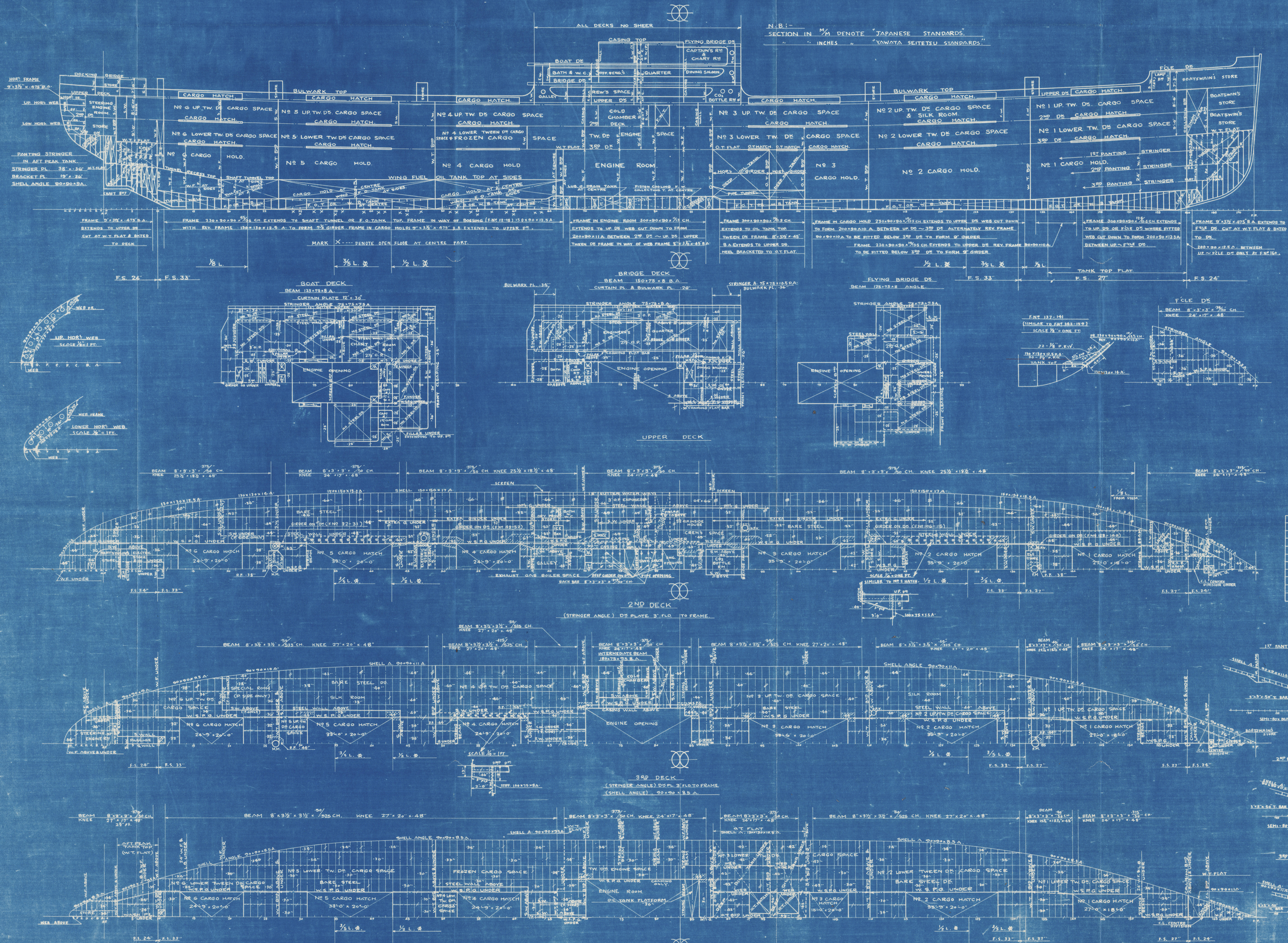
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PANTING STRINGER	
IN FORE PEAK TANK	
STRINGER PL.	36" x 96"
RT. KNEE	10" x 36"
SHELL ANGLE	150° x 150° x 9"
PANTING BEAM	300° x 50° x 3 1/2"
DEEP BEAM	21° x 46" x 3 1/2"
IN HOLD	
UNIT PLATE	44"
SHELL ANG.	90° x 90° x 1 1/2"
FACE OF R.	180° x 90° x 1 1/2"

M.V. "HOKKAI-MARU"
Nagasaki Report No. 1879.

"HOKKAI-MARU"
CONSTRUCTION PROFILE
AND DECK PLAN.
SCALE 1/16" = ONE FT.
445'0" x 60'6" x 40'9"
(FINISHED PLAN.)



M.V. "HOKKAI MARU".

Nagasaki Report No.1878.

M.S. "HOKKAI-MARU" MIDSHIP SECTION.

445'-0" x 60'-6" x 40'-9"
SCALE 1/4 INCH TO ONE FOOT
(FINISHED PLAN.)



H. Sakakibara
Jan. 14th 1933.

007486-007495-0052

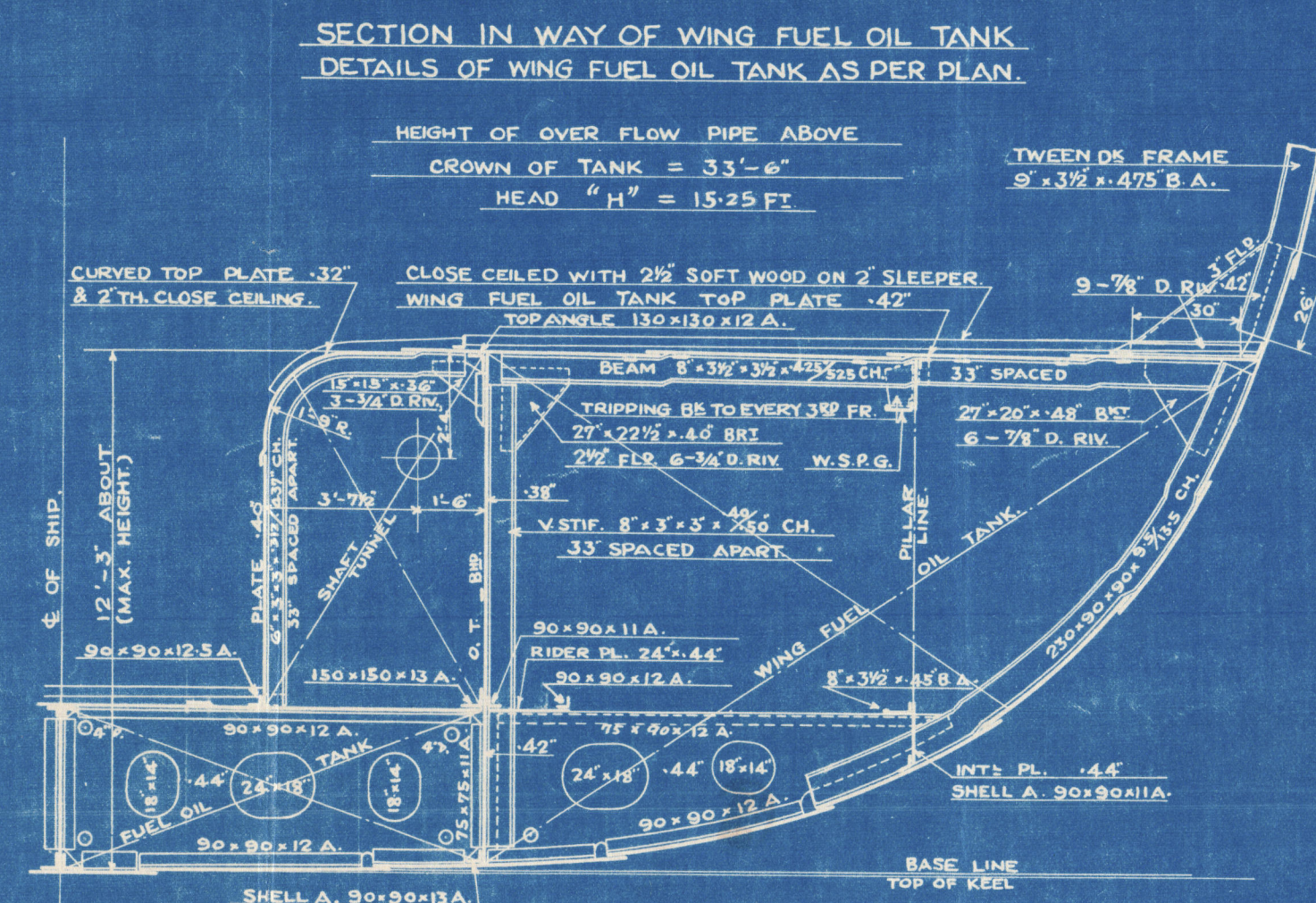
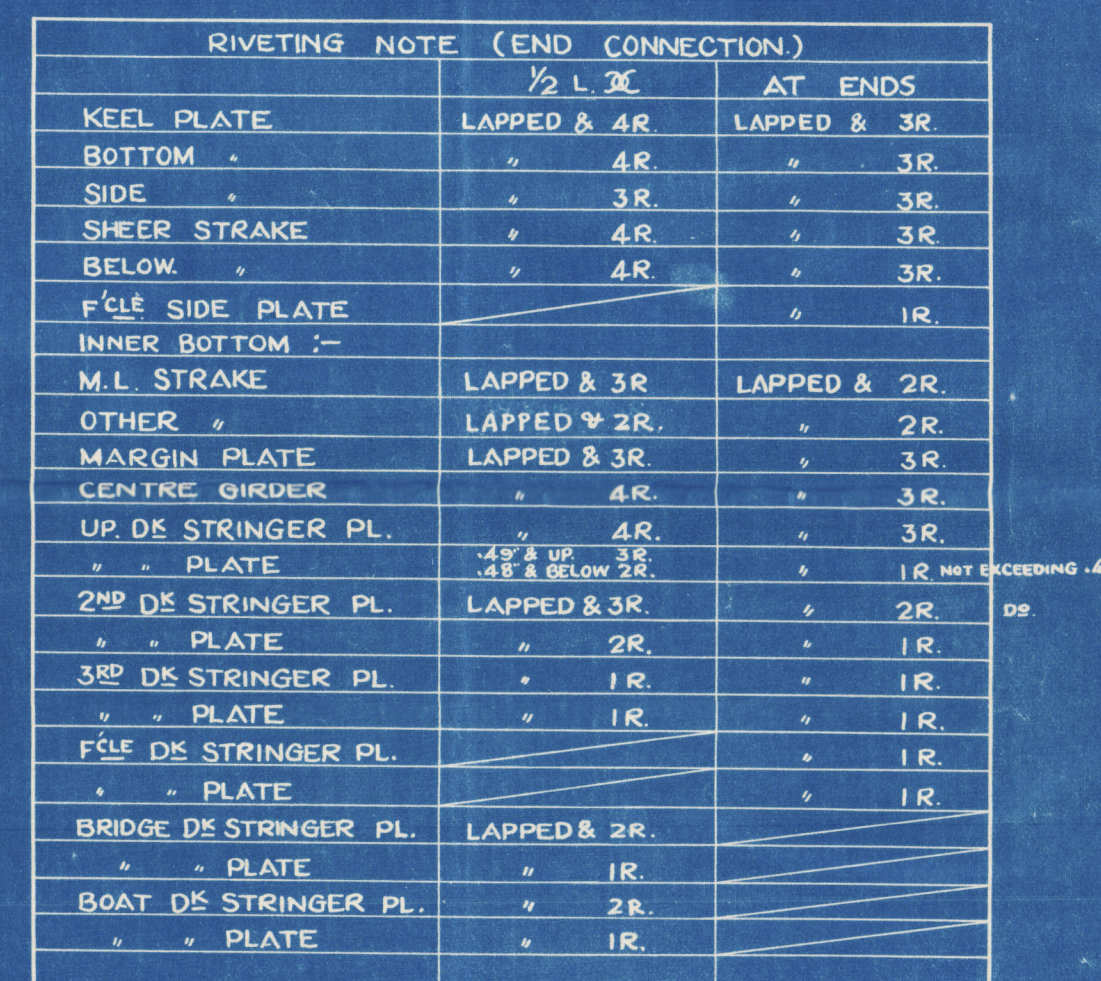


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INCHES "YAWATA SEITETSU STANDARDS"

RIVETING NOTE (EDGE CONNECTION)		AT ENDS
KEEL PLATE	$\frac{1}{2}$ L. $\frac{3}{8}$ 2R	2R
BOTTOM PLATE	"	"
SIDE PLATE	"	"
SHEER STRAKE	"	"
BELOW STRAKE	2R	2R
FOR SIDE PLATE TANK TOP		1R
WALL STRAKE	2R	2R
OTHER STRAKE	"	"
MARGIN PLATE	2R	2R
UP. DE STRINGER PL.	1R	1R
" " PLATE	"	"
ALL OTHER DE PL.	1R	1R



NAGASAKI WORKS, MITSUBISHI ZOSSEN KAISHA, LTD.
 社会式造船会社
 NO. 446
 SHIP DESIGNING OFFICE
 W. F. Stevens
 Jan. 14, 1933.
 社会式造船会社

Y. K. Kishimoto
June 14th 1933.

M.V. "HOKKAI MARU".

Nagasaki Report No.1878.

M.S. "HOKKAI MARU" STERN CASTINGS

SCALE $\frac{1}{2}$ " TO 1 FT.
(FINISHED PLAN)

S. Komiga
M. Ogawa
H. Kawada
June 8, 1931

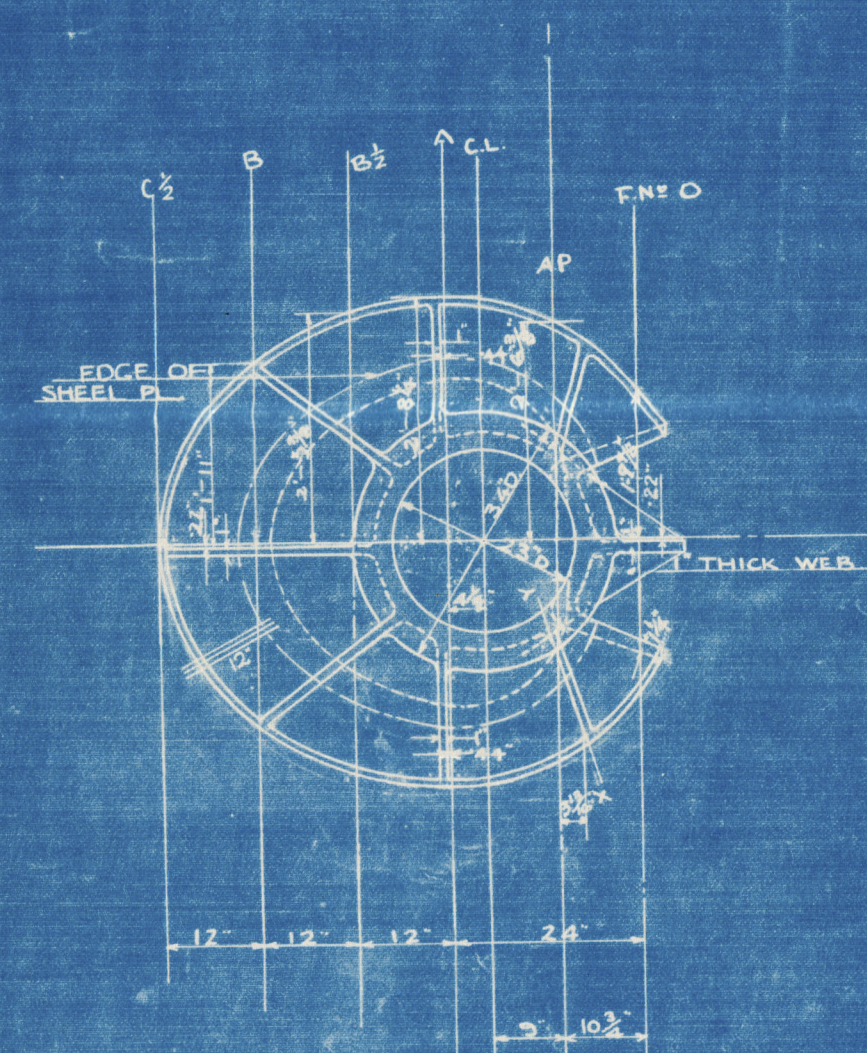


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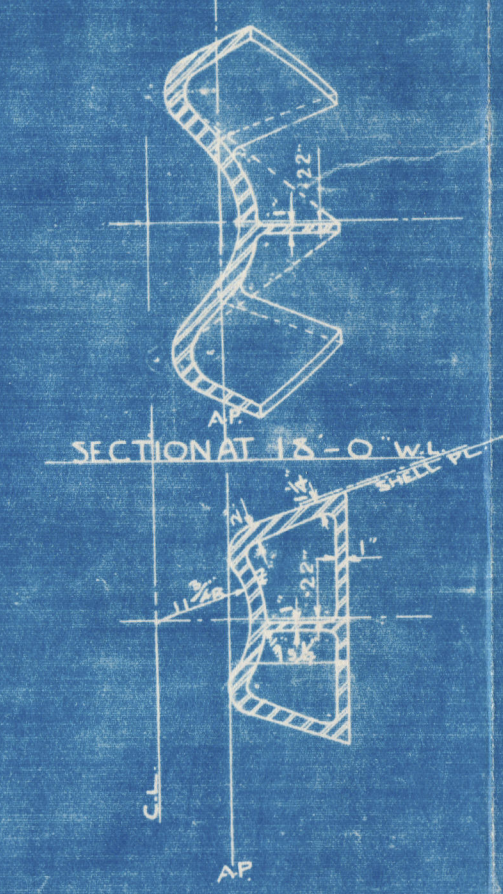
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SECTION AT X-Y



SECTION AT 20'-0\"/>



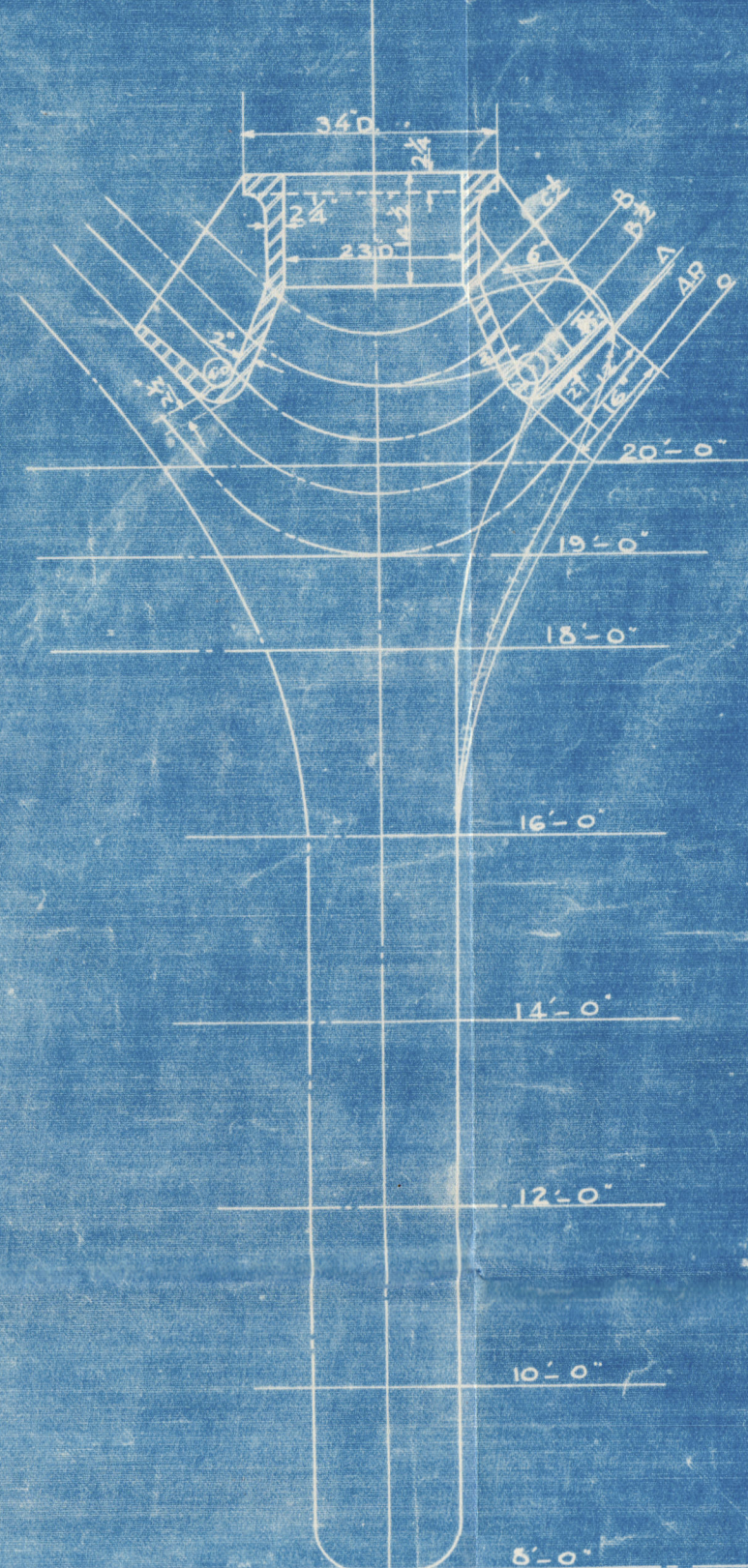
SECTION AT 18'-0\"/>

MATERIAL - CAST STEEL

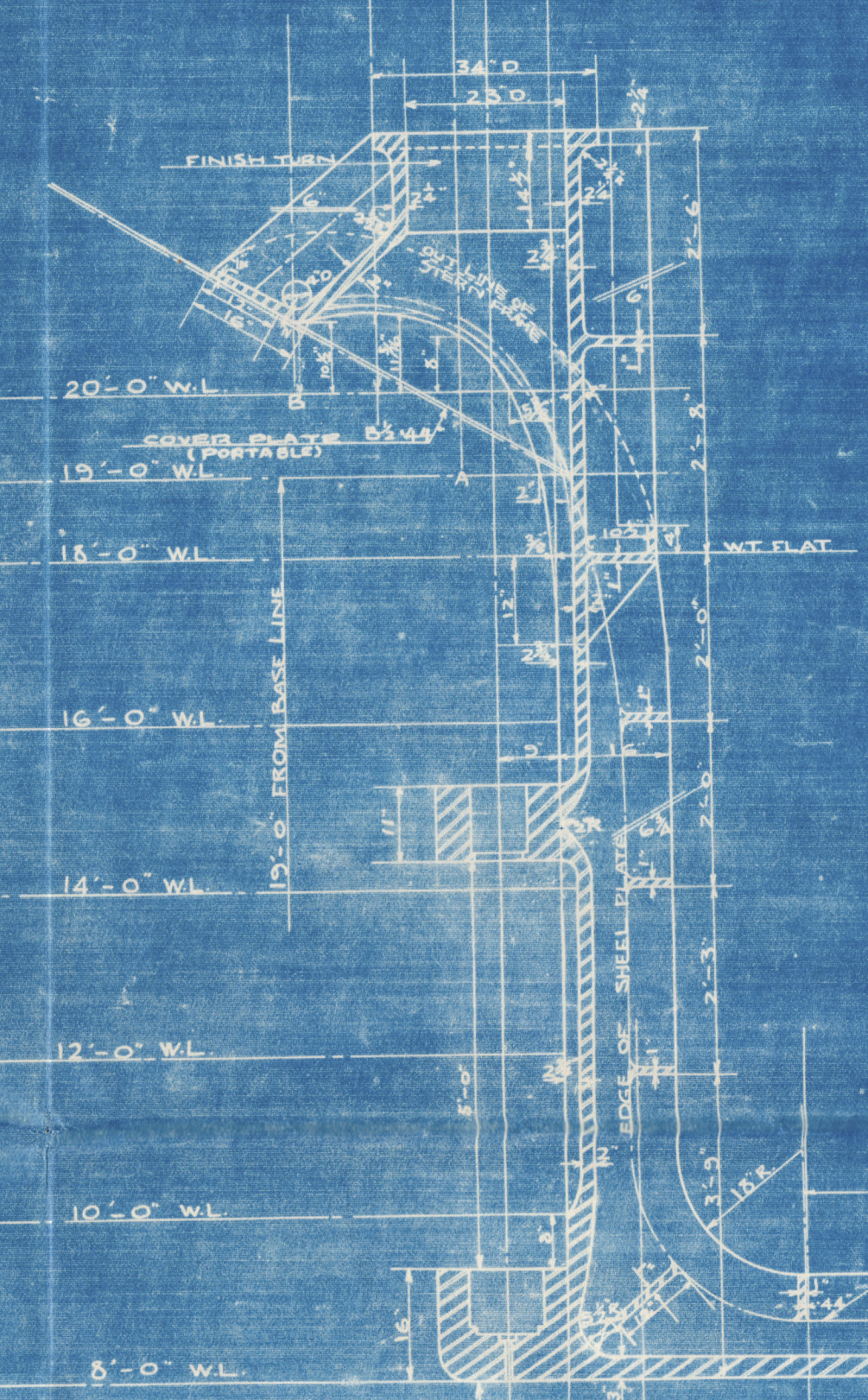
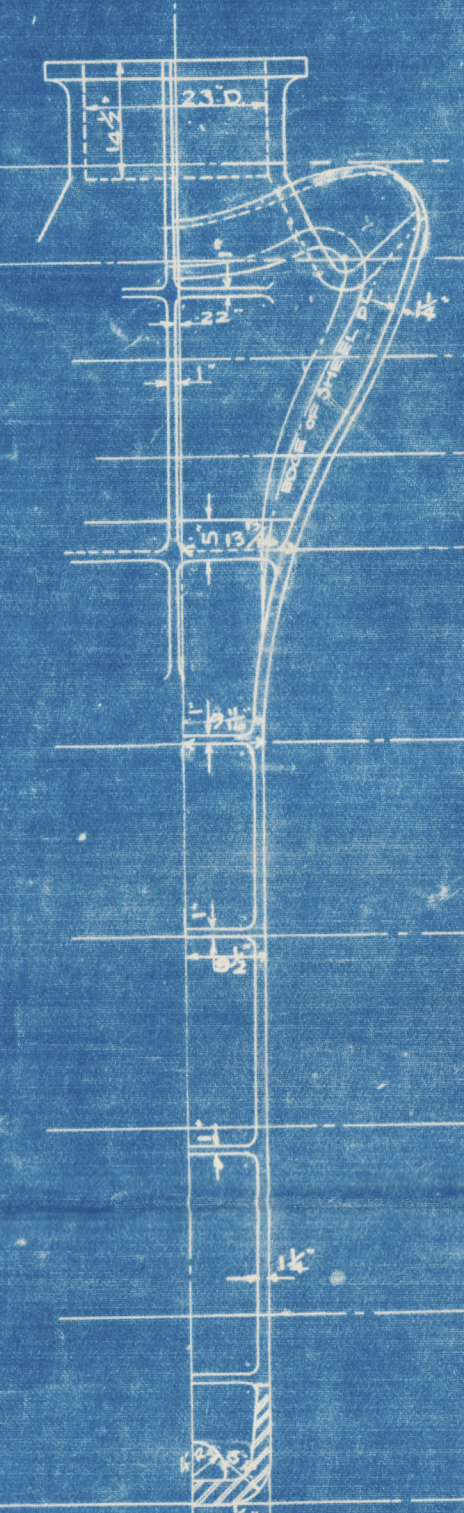
WEIGHT - STERN FRAME 6,320 K. TONS.
" CUT-UP 2,190 K. TONS.

RIVETING NOTE -		DIA OF RIV.	MAX. PITCH
CASTING -	SHEEL PL. (END)	1 1/2"	5 D.
"	" (EDGE)	1 1/2"	5 D.
"	FLOOR PL.	1"	5 D.
"	CENTRE GIR. PL.	1"	5 D.

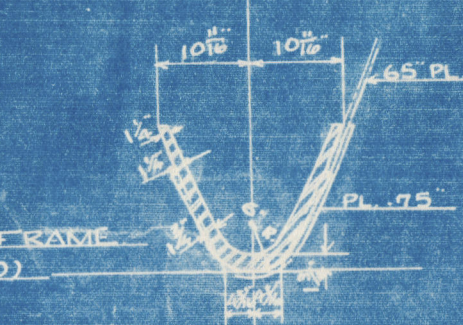
SECTION AT FND A.
LOOKING AFTWARD



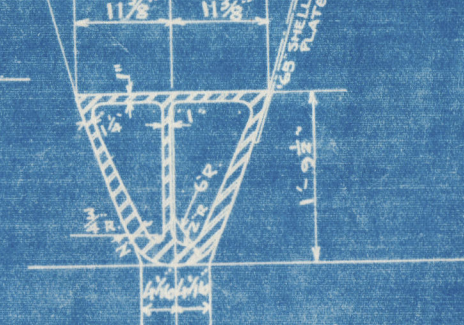
LOOKING AFTWARD



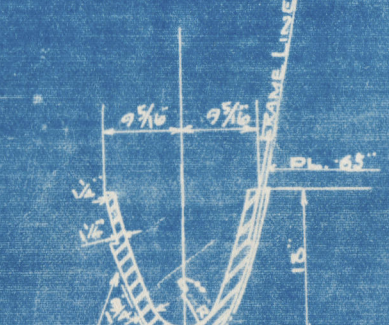
AFT END OF STERN CUT-UP
(LOOKING FORWARD)



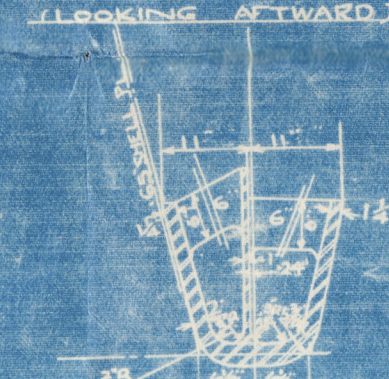
FND 10
(LOOKING AFTWARD)



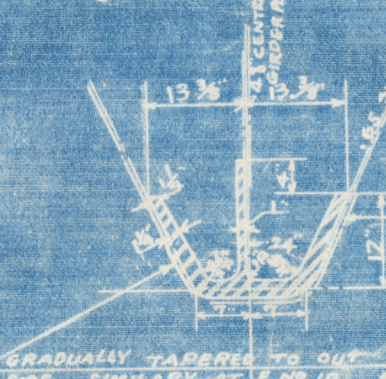
PORT END OF STERN FRAME
(LOOKING AFTWARD)



FND 12
(LOOKING AFTWARD)

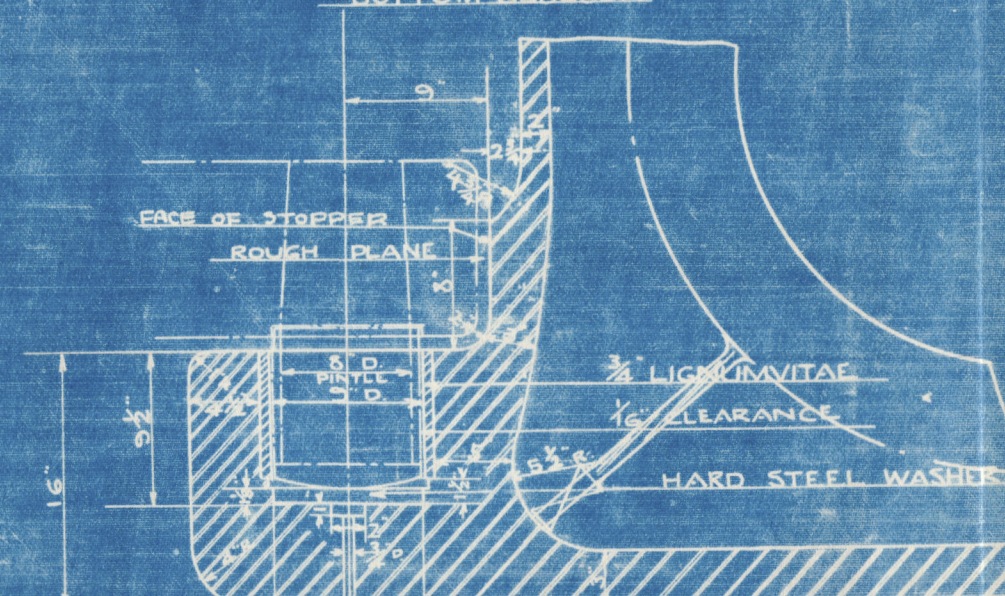


PORT END VIEW
(LOOKING AFTWARD)

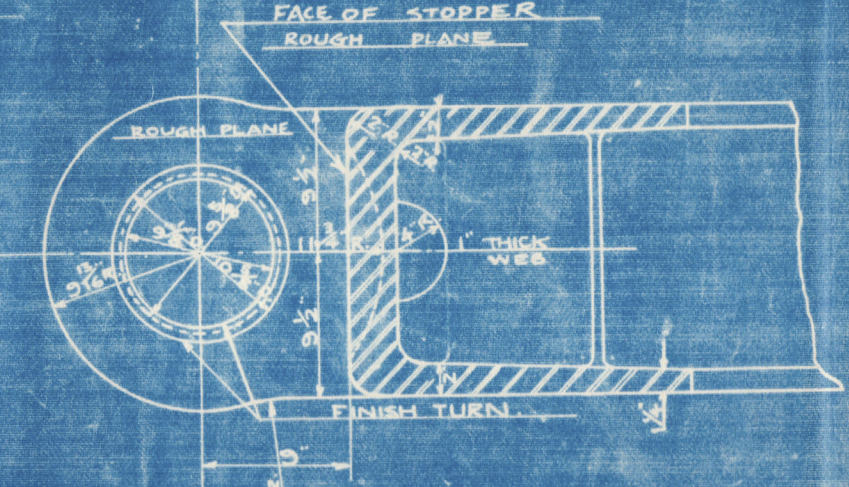


DETAILS OF GUDGONS
SCALE 1 TO 15'

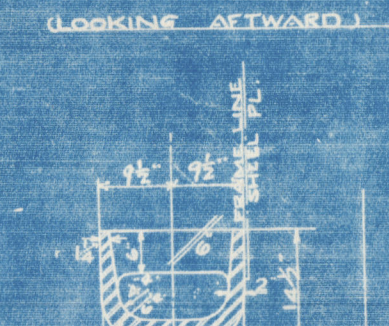
BOTTOM GUDGON



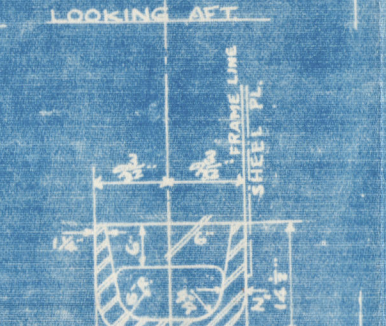
FACE OF STOPPER
ROUGH PLANE



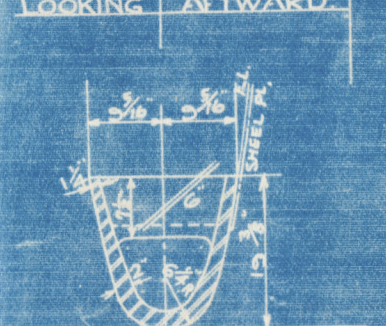
FND 1 & 2
(LOOKING AFTWARD)



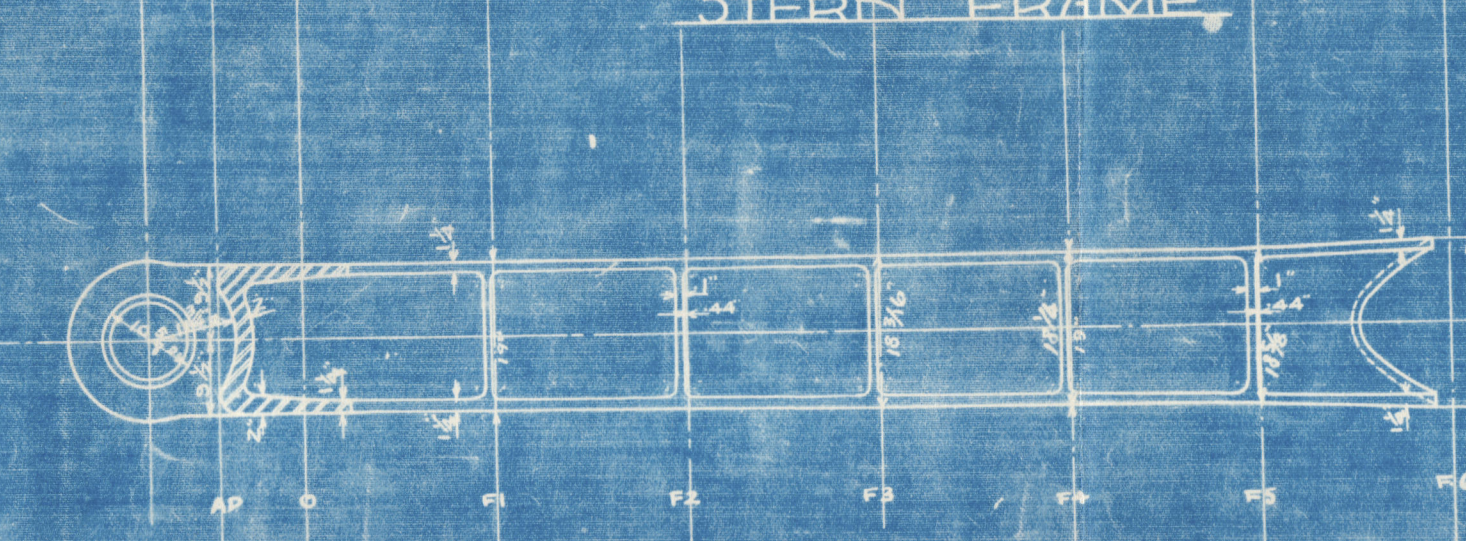
FND 3
(LOOKING AFT)



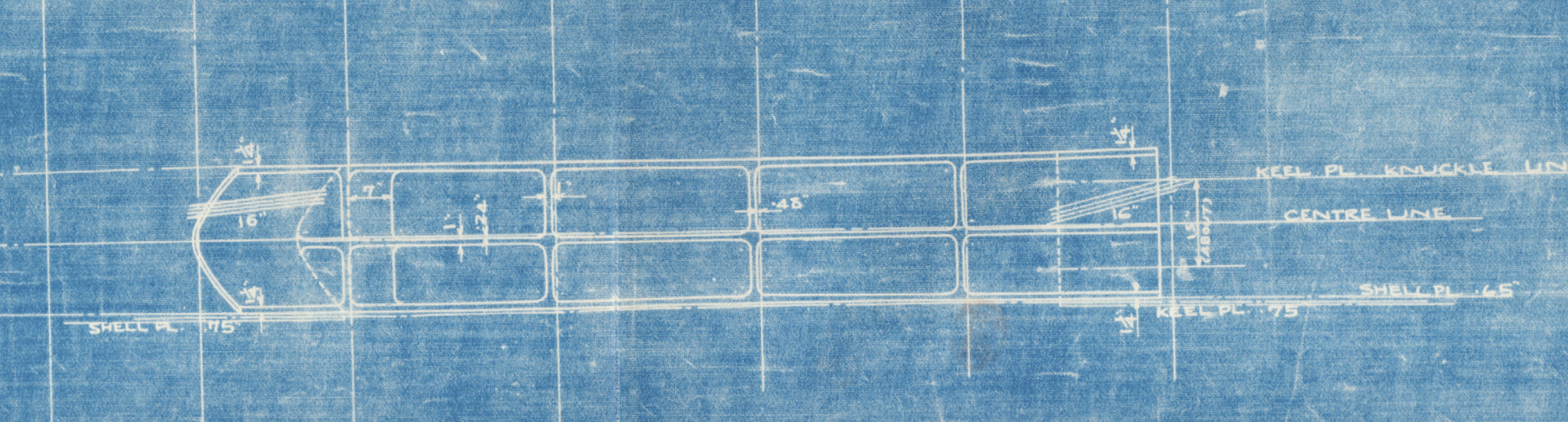
FND 4
(LOOKING AFTWARD)



STERN FRAME



STERN CUT-UP



M.V. "HOKKAI MARU".

Nagasaki Report No. 1878.

M.S. "HOKKAI MARU"
STERN CASTINGS

SCALE 1/2 TO 1 FT.
(FINISHED PLAN)

M.V. "HOKKAI MARU".

Nagasaki Report No.1878.

M.S. "HOKKAI-MARU"

RUDDER.

SCALE 1/2" TO 1 FOOT.

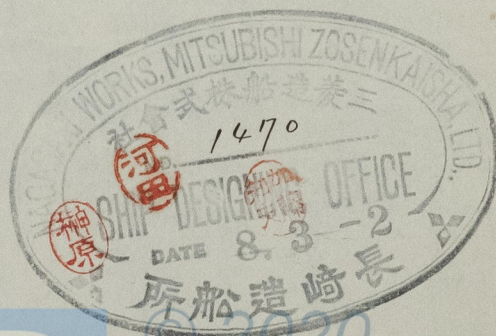
DETAIL SCALE 1" TO 1 FOOT.

(FINISH PLAN.)



K. Kawada
Jan. 23rd 1933.

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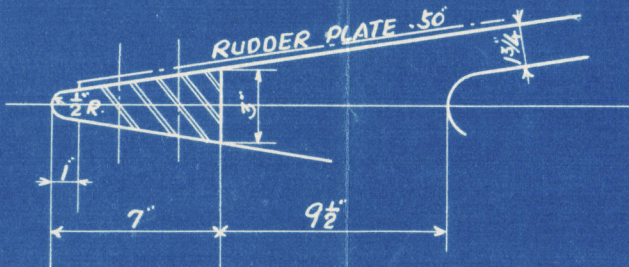
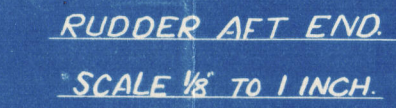
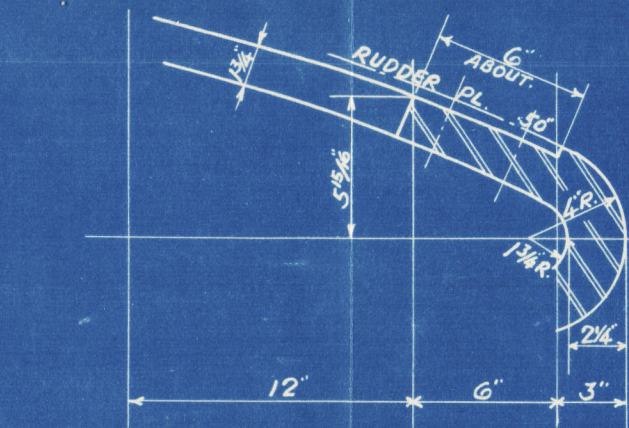
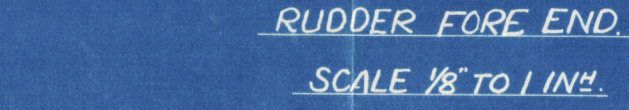
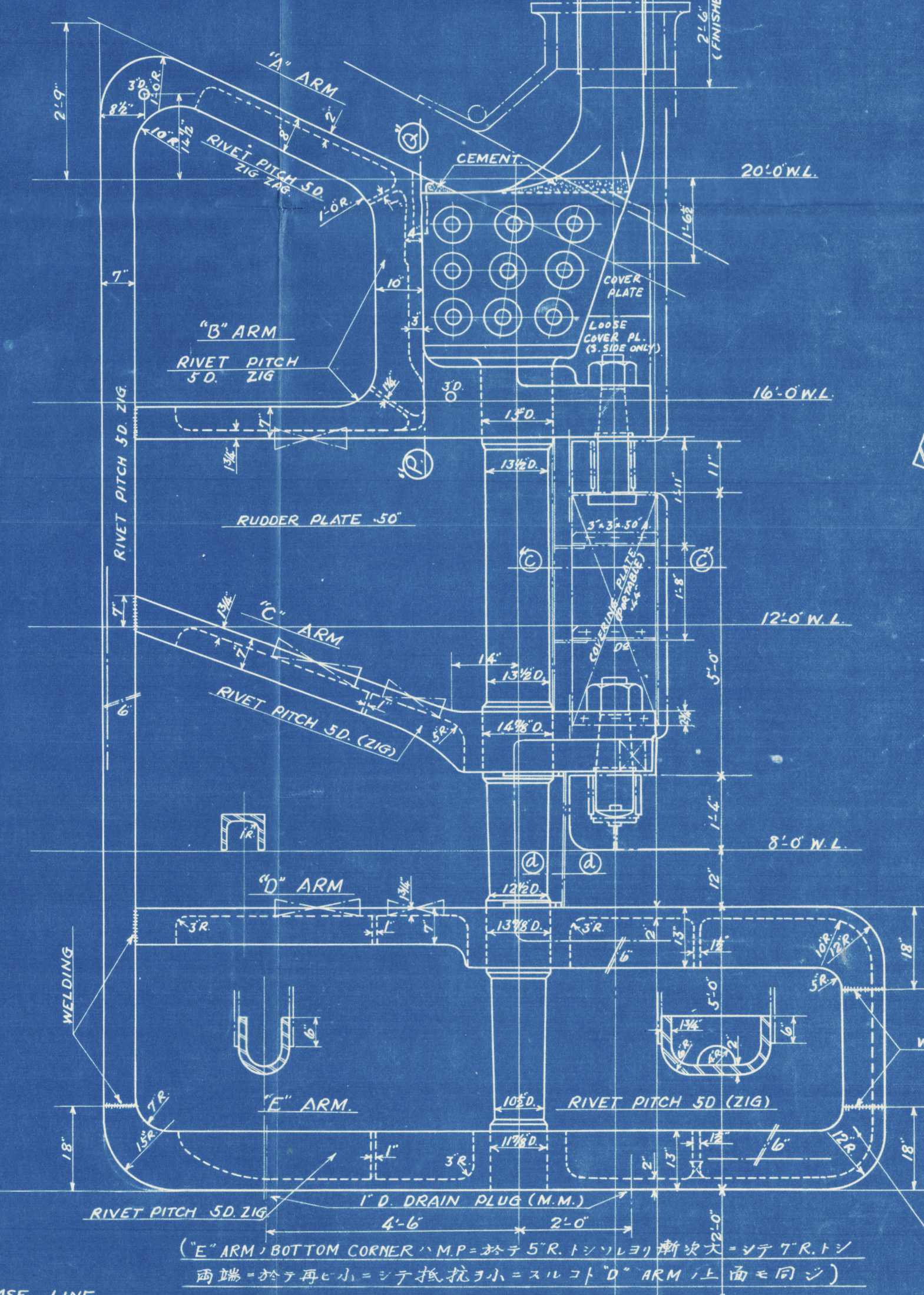
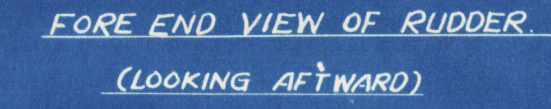
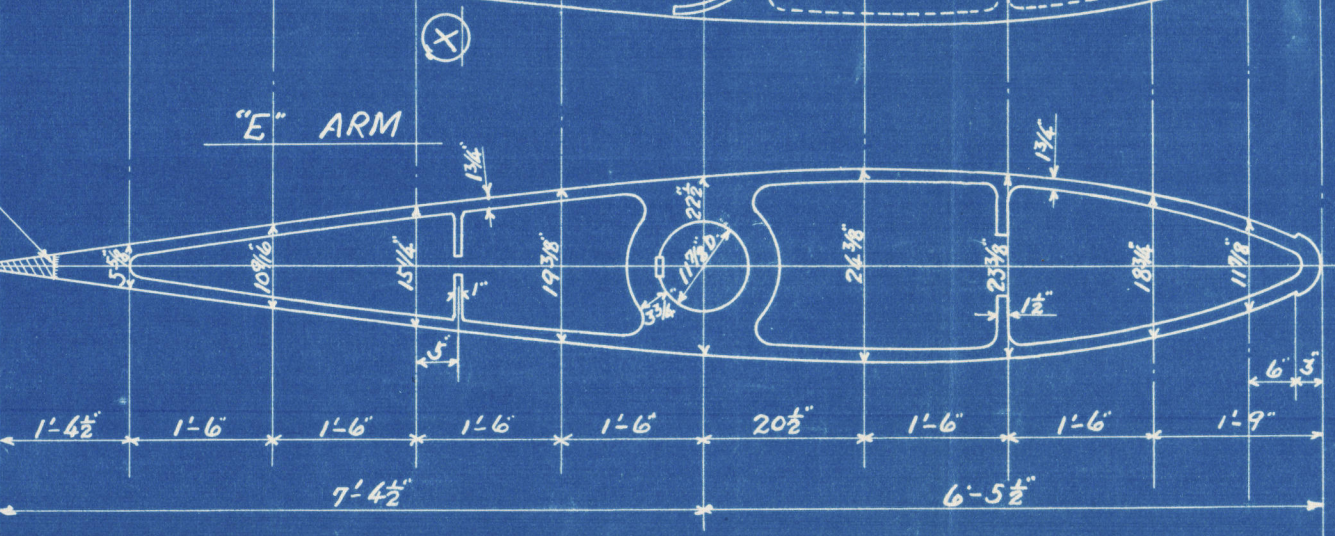
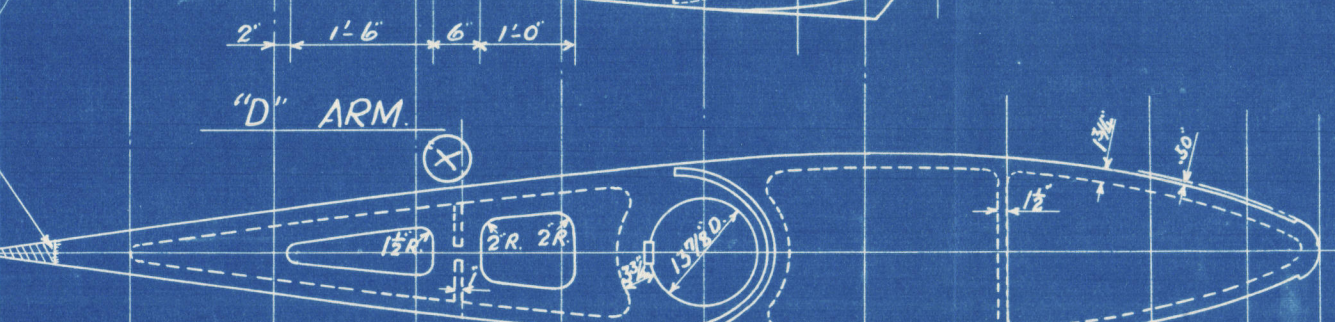
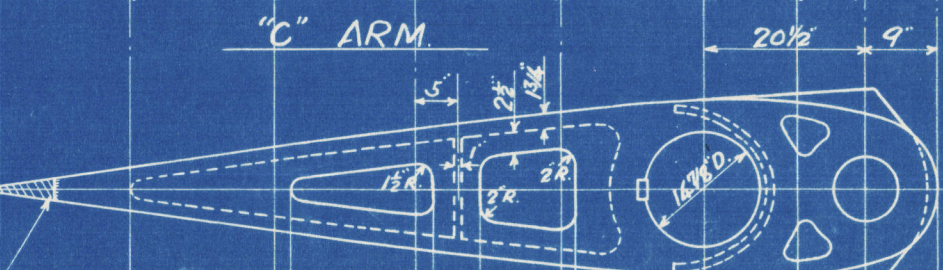
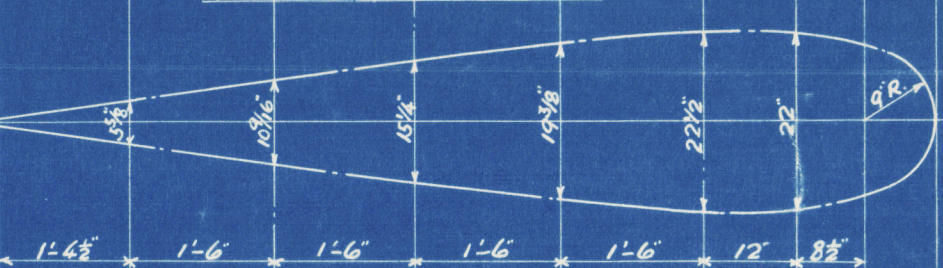
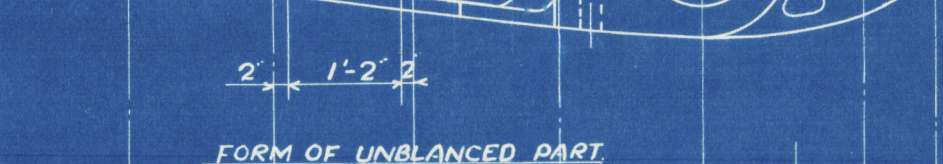
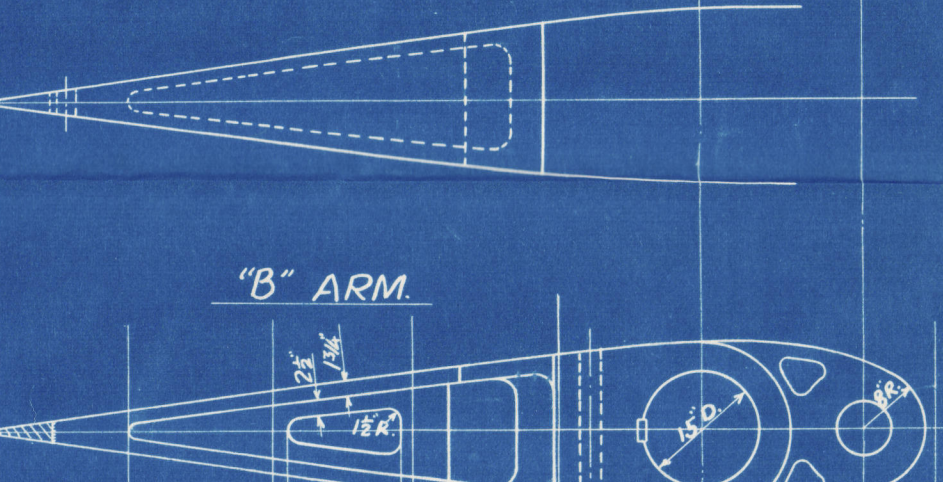
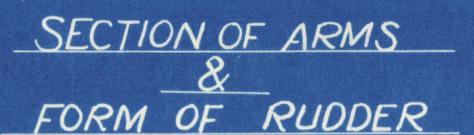
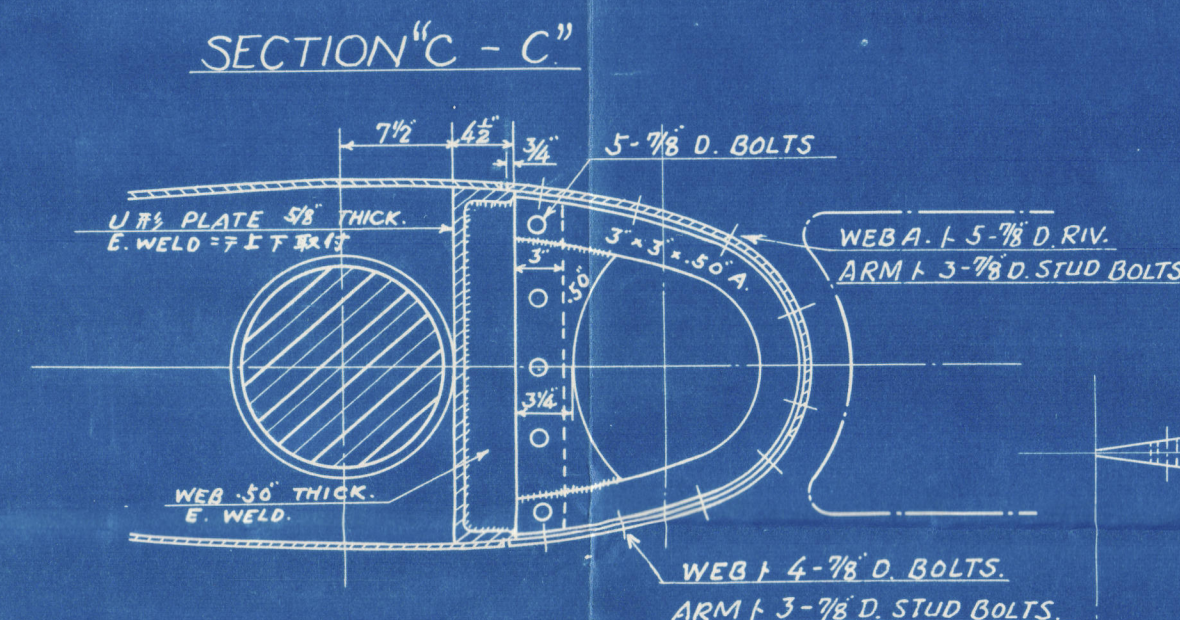
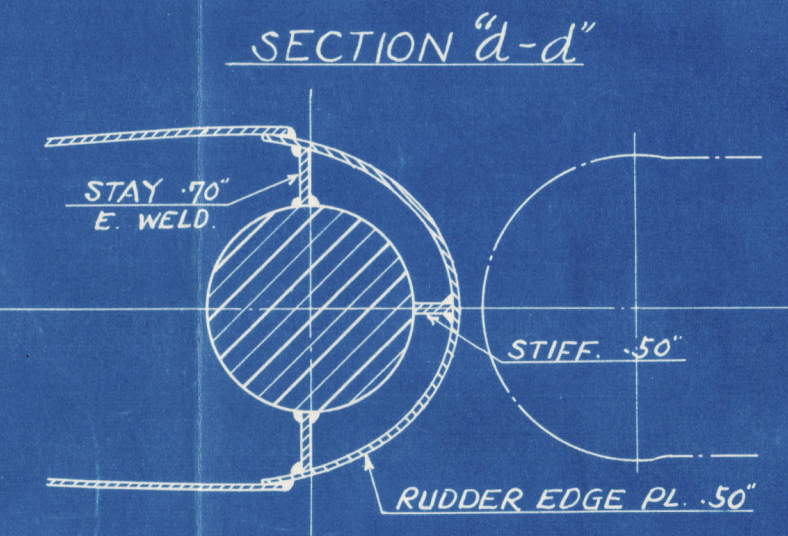
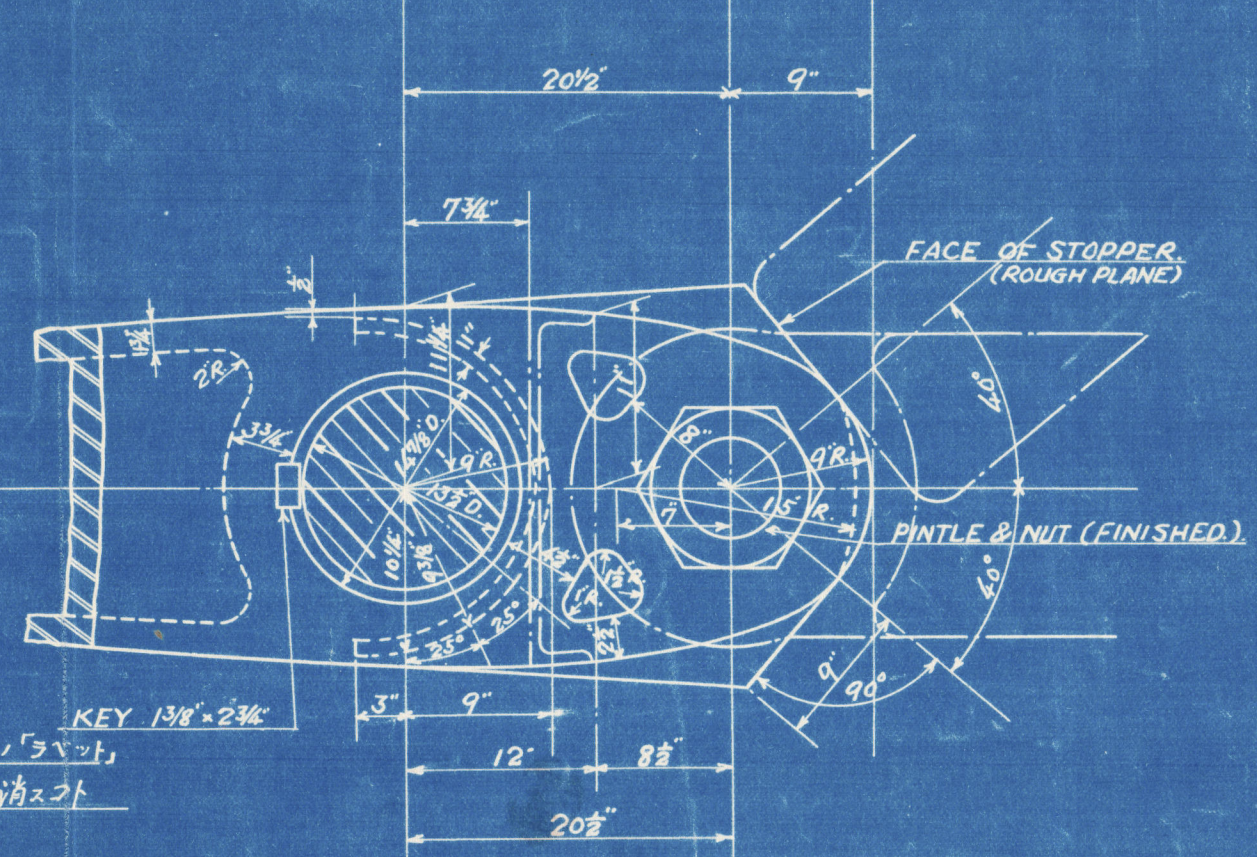
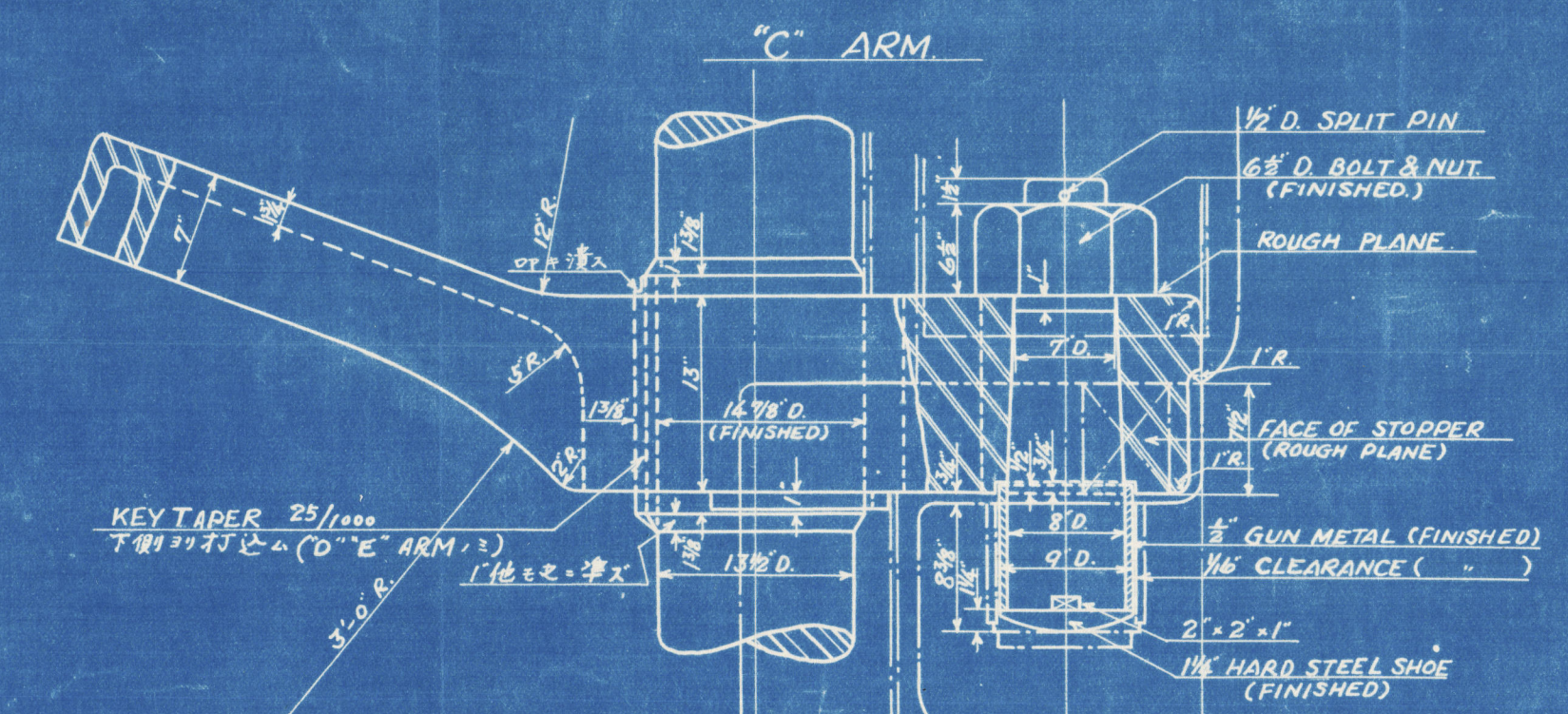
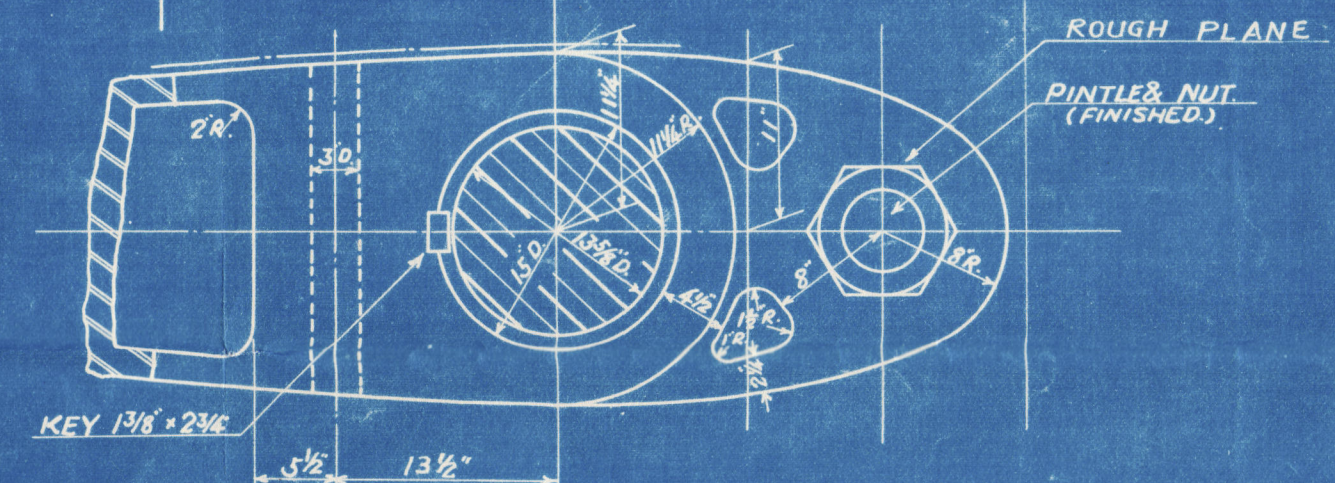
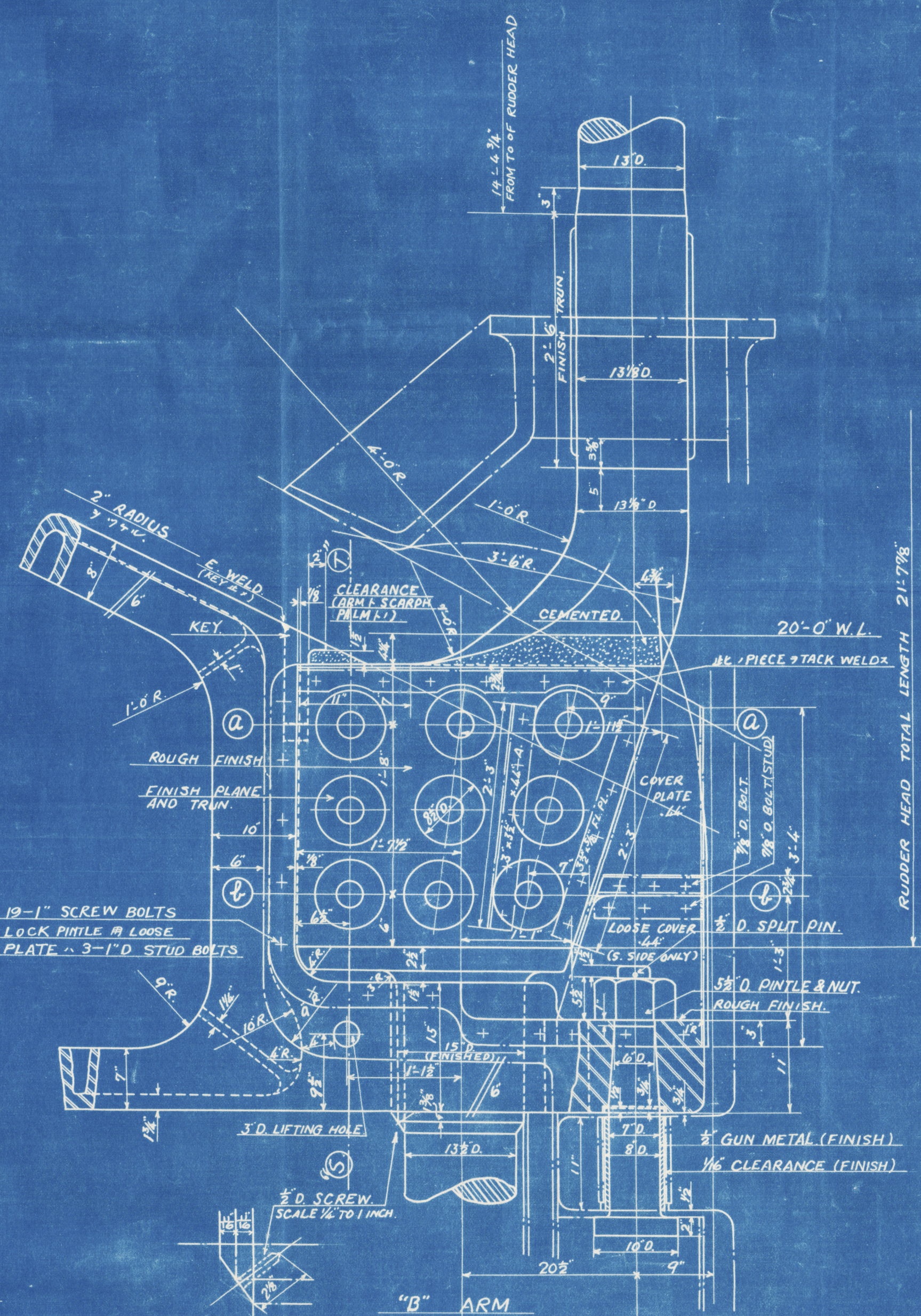
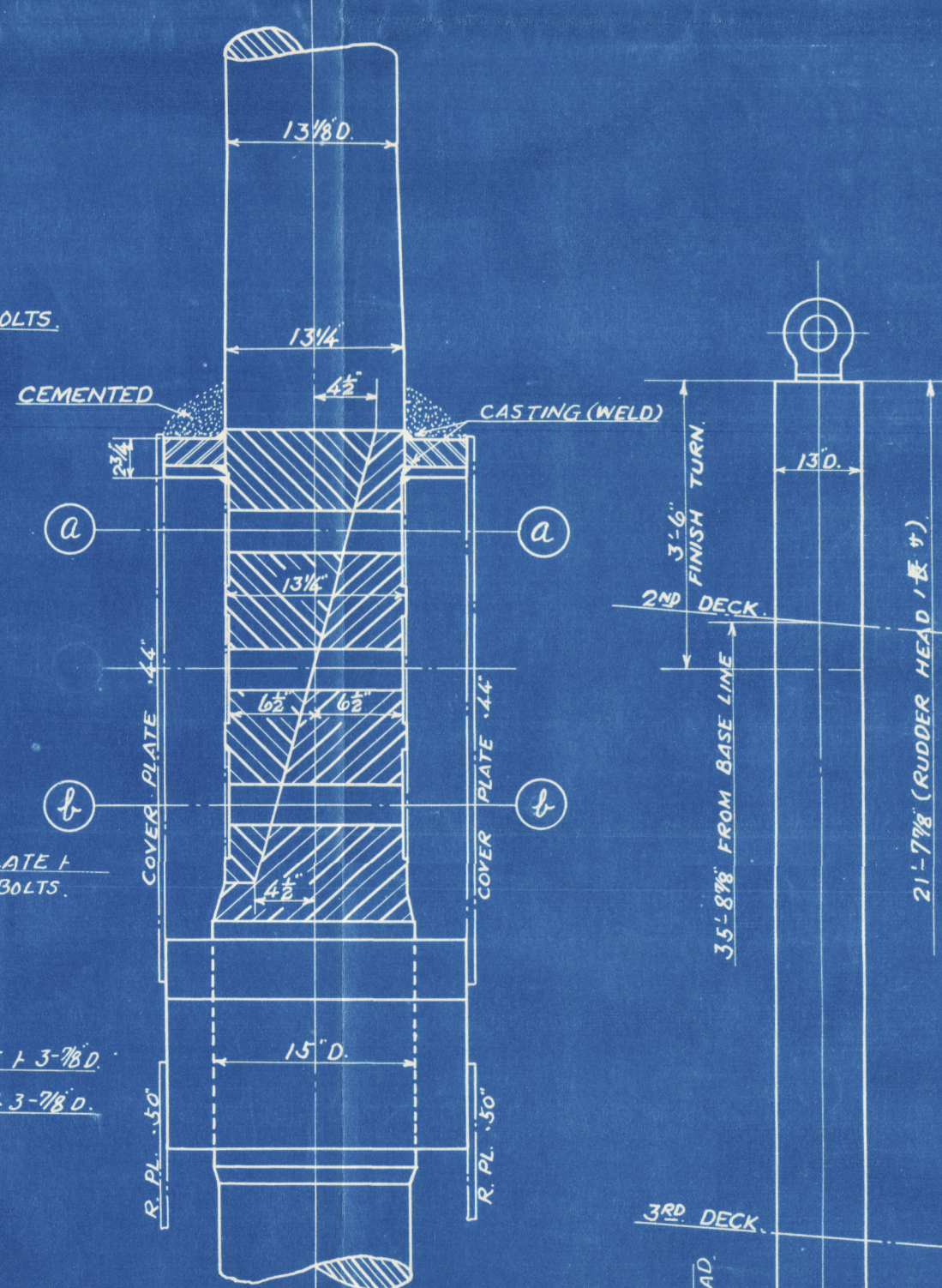
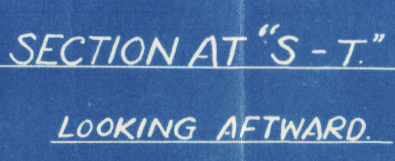
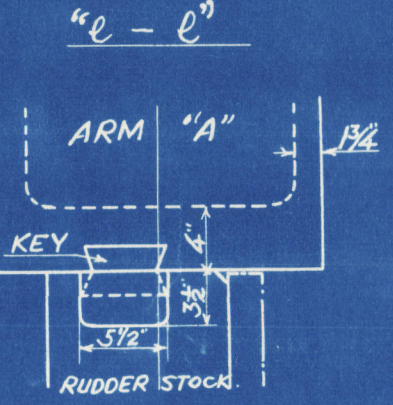
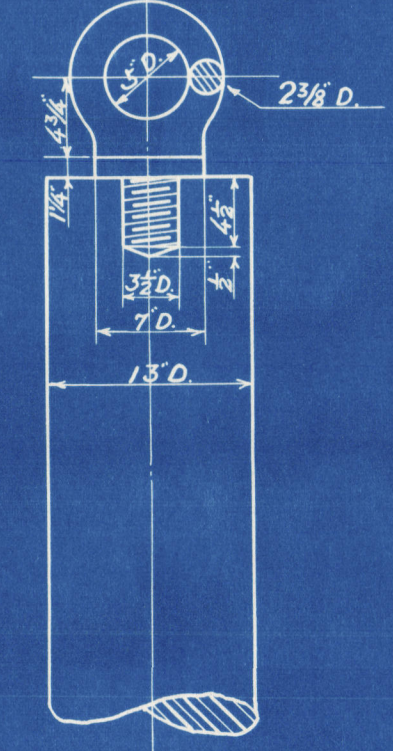
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ALL RIVETS AND TAP RIVETS TO BE 1" DIA EXCEPT
THOSE OTHERWISE SPECIFIED.
IN-SIDE RUDDER SPACE NOT TO BE PACKED.
ALL BOLTS & NUTS TO BE WHITWORTH STANDARD SIZE

WEIGHT :~	
ARMS (A,B,C,D & E)-----	7.187 K.TONS.
RUDDER HEAD-----	5.235
MAIN PIECE-----	4.318
PLATE-----	3.235
TOTAL-----	20.344 TONS

MATERIALS :
 RUDDER HEAD AND MAIN PIECE-----FORGED STEEL
 ARMS-----CAST STEEL.
 EDGE PIECES -----CAST STEEL.
 PINTLES, BOLTS, NUTS, & EYE BOLT.-----FORGED STEEL.



Nagasaki Report No.1878.

(FINISH PLAN).

1933
 Jan. 23rd 1933
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